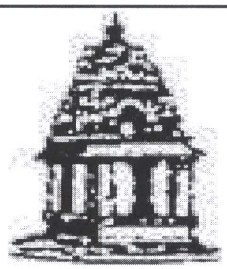

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Estimate for Improvements to Drains and Asphalting to Roads Ward no 05 Sarrounding area in ward o 05 Jakkur,, Byatrayanpura Sub division.**

Estimated Cost : 30.00 Lakhs

Job Code:

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work : Improvements to Drains and Asphalting to Roads Ward no 05 Sarrounding area in ward o 05 Jakkur,, Byatrayanpura Sub division.

Sl. No.	Description of work	Unit	Measurements				Qty	Rate	Amount
			No	L	B	D			
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ It No 19.1/ PWD SR 2018-19								
	For Drains	cum							
	Jakkur Lake Road		2	178.00	1.20	1.05	448.56		
	Culverts		2	6.00	1.65	1.00	19.80		
							468.36	137.80	**64540.00**
	Basic Rate	130.00							
	add AW 6%	7.80							
		137.80							
2	KSRB 4-1.4 : Providing and laying in position plain cement concrete of Mix 1:5:10 with OPC @ 160kgs, with 40mm and down size graded granite metal coarse aggregates @0.86cum and fine aggregtes @ 0.58cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4. **Item No 4.4. P 13 / PWD SR 2018-19**								
	For Drains	cum							
	Jakkur Lake Road		2	185.00	1.20	0.15	66.60		
	Culverts		2	6.00	1.65	0.15	2.97		
							69.57	5315.90	**369827.00**
	Basic rate	5015.00							
	Add AW 6%	300.90							
		5315.90							

3	KSRB 4.2.2 : **Providing and laying in position plain cement concrete of mix M20 withOPC** cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 14/ Item No. 4.11/ PWD SR 2018-19								
a	**For Drain Bed**	cum							
			2	178.00	1.20	0.15	64.08		
	Culverts bottom		2	6.00	1.50	0.15	2.70		
	wall		2x2	6.00	0.35	0.70	11.76		
							78.54	5998.54	**471125.00**
	Basic rate	5659.00							
	Add AW 6%	339.54							
		5998.54							
4	KSRB 4-6.7 : **Providing and removing centering, shuttering,** strutting, propping etc., and removal of form work **for vertical surface** such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ It No. 4.31/ PWD SR 2018-19								
	For RCC Drain		2X4	178.00		0.60	854.40		
	For Culverts		2x2	6.00		0.60	57.60		
							912.00	379.48	346086.00
	Basic rate	358.00							
	Add AW 6%	21.48							
		379.48							
5	KSRB 4.9.2 **Providing T.M.T steel** reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 18/ Item No. 4.46.2/ PWD SR 2018-19								
	0.063 Ton/Cum	Tonne	0.063	78.54			**4.95**	75223.96	**372209.66**

	Basic Rate	70966.00							
	Area Weightage @ 6%	4257.96							
	Total	75223.96							
6	**Providing and fixing RCC precast cover slab of 100mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Side Drain	sqm	2	178.00	1.20		427.20		
							427.20	2100.00	**897120.00**
	Approved Data rate	**2100.00**							
7	Providing and fixing **RCC precast cover slab of 250mm** thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culverts	**sqm**	2	6.00	1.50		18.00		
							18.00	5418.00	**97524.00**
8	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17.1/ PWD SR 2018-19								
		Cum	Qty Vide Item No. 2				468.36		
							468.36	73.99	**34653.02**
	Basic Rate	57.00							
	Lead for 5km	12.80							
		69.80							
	add aw @ 6%	4.19							
		73.99							
								Sub Total	**2653084.68**
9	For 12% Applicable GST								318370.00
10	For 1% Labour Cess								26531.00
11	Add for unforseen charges and rounding off							L.s	2014.32
								Total Rs	**3000000.00**

(Rupees Thirty Lakhs Only)

Administrative Approval
Accorded For Rs 30 w lakhs only
Head of A/C.. P 3726
CER NO : 177 Dt: 27.03.2020
[TA] [CE (YNK)]

Technical Sanction
Accorded For Rs 30 w lakhs only
Head of A/C.. P 3726
CER NO : 335 Dt: 27.03.2020
[TA] [CE (YNK)]

CERTIFICATE

1 *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2 *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2018-19*
3 *Certified that Adequate & necessary provisions have made in the estimate.*
4 *Certified that the above area comes under BBMP limit*
5 *This Work is not included in any other work taken up*

Asst Engineer
Ward-05

Assistant Executive Engineer
Byatarayanpura Sub Division
B.B.M.P

Executive Engineer
Byatarayanpura Division
B.B.M.P